

Written Opinion of the Inter-
national Searching Authority

PCT/EP2005/050920
Appended Sheet

Re Section V

Reasoned statement with regard to novelty, inventive step, and industrial applicability; citations and explanations supporting this statement

Reference is made to the following documents:

D1: US-2002/0195339

D2: EP-1 046 906

The present invention relates to a sensor having a housing used to protect the sensor and which prevents drops of water from forming on the sensor.

Such protective housings are well known mainly in the field of electrochemical gas sensors, see, for example, D1 or D2.

The subject matter of Claim 1 therefore differs from the known protective housings in that the protective housing is developed in the form of a tube having spiral-shaped wall profile.

Therefore, the subject matter of Claim 1 is novel (Article 33(2) PCT).

The objective to be attained by the present invention may thus be considered to be to make available a protective tube rapidly and cost-effectively.

Such a wall profile for the protective tube is described or made obvious in none of the documents known from the Search Report.

Therefore, the subject matter of the claim is based on an inventive activity (Article 33(3) PCT).

Claims 2 through 12 are dependent on Claim 1, and therefore, they also fulfill the PCT requirements with regard to novelty and inventive activity.

The present invention is industrially applicable (Art. 33(4) PCT).